Index ☐ Volume 41, 1993

ARTICLES (by title)

Accessing elaborations on core information in a hypermedia environment, Thomas M. Welsh, Kelly P. Murphy, Thomas M. Duffy, and David A. Goodrum, 41:2, 19-34.

Computer screen designs: Viewer judgments, R. Scott Grabinger, 41:2, 35-73.

Computerized adaptive testing in instructional settings, R. Edwin Welch and Theodore W. Frick, 41:3, 47-62.

Computers and school reform, Ernest McDaniel, William McInerney, and Penny Armstrong, 41:1, 73-78.

Constructivist values for instructional systems design: Five principles toward a new mindset, David Lebow, 41:3, 4-16.

Designing and instructional design, Gordon Rowland, 41:1, 79-91.

Designing databases as tools for higher-level learning: Insights from instructional systems design, Delia Neuman, 41:4, 25-46.

Developing and assessing *Practicing Spoken French*: A multimedia program for improving speaking skills, Isabel Borrás, 41:4, 91-103.

Development principles for intelligent tutoring systems: Integrating cognitive theory into the development of computer-based instruction, Michael A. Orey and Wayne A. Nelson, 41:1, 59-72.

The effect of the spatial arrangement of simple diagrams on the interpretation of English and nonsense sentences, William Winn and Cliff Solomon, 41:1, 29-41.

The effects of cooperative learning and learner control on high- and average-ability students, Simon Hooper, Chanchai Temiyakarn, and Michael D. Williams, 41:2, 5-19.

Empirically-based guidelines for the design of interactive multimedia, Innwoo Park and Michael J. Hannafin, 41:3, 63-85.

Future issues of computer-mediated communication: The results of a Delphi study, Michael C. Holden, John F. Wedman, 41:4, 5-24.

How geographic maps increase recall of instructional text, Raymond W. Kulhavy, William A. Stock, and William A. Kealy, 41:4, 47-62.

Instructional design for situated learning, Michael F. Young, 41:1, 43-58.

Instructional simulation from a cognitive psychology viewpoint, Richard A. Thurman, 41:4, 75-89.

Integrating cognitive task analysis into instructional systems development, Joan M. Ryder and Richard E. Redding, 41:2, 75-96.

Learning from video: Factors influencing learners' preconceptions and invested mental effort, Katherine S. Cennamo, 41:3, 33-45.

Making broadcast television participative: Eliciting mathematical behavior through *Square One TV*, Shalom M. Fisch and Susan K. McCann, 41:3, 103-109.

Perspectives on the future of educational technology, Howard J. Sullivan, Ann R. Igoe, James D. Klein, Elizabeth E. Jones, and Wilhelmina C. Savenye, 41:2, 97-110.

The relationship between attributes of a children's radio program and its appeal to listeners, Linda M. McKenna, 41:1, 17-28.

Talking back to Big Bird: Preschool users and a simple speech recognition system, Erik F. Strommen and Francine S. Frome, 41:1, 5-16.

Use of dissection-related courseware by low-ability high school students: A qualitative inquiry, Mable B. Kinzie, M. Jean Foss, and Susan M. Powers, 41:3, 87-101.

The use of hyper-reference and conventional dictionaries, Ronald Aust, Mary Jane Kelley, Warren Roby, 41:4, 63-73.

What can we learn from chaos theory? An alternative approach to instructional systems design, Yeongmahn You, 41:3, 17-32.

ARTICLES (by author)

Armstrong, Penny. *See* McDaniel, Ernest.

Aust, Ronald, Mary Jane Kelley, Warren Roby. The use of hyper-reference and conventional dictionaries, 41:4, 63-73.

Borrás, Isabel. Developing and assessing *Practicing Spoken French*: A multimedia program for improving speaking skills, 41:4, 91-103.

Index ☐ Volume 41, 1993

ARTICLES (by title)

Accessing elaborations on core information in a hypermedia environment, Thomas M. Welsh, Kelly P. Murphy, Thomas M. Duffy, and David A. Goodrum, 41:2, 19-34.

Computer screen designs: Viewer judgments, R. Scott Grabinger, 41:2, 35-73.

Computerized adaptive testing in instructional settings, R. Edwin Welch and Theodore W. Frick, 41:3, 47-62.

Computers and school reform, Ernest McDaniel, William McInerney, and Penny Armstrong, 41:1, 73-78.

Constructivist values for instructional systems design: Five principles toward a new mindset, David Lebow, 41:3, 4-16.

Designing and instructional design, Gordon Rowland, 41:1, 79-91.

Designing databases as tools for higher-level learning: Insights from instructional systems design, Delia Neuman, 41:4, 25-46.

Developing and assessing *Practicing Spoken French*: A multimedia program for improving speaking skills, Isabel Borrás, 41:4, 91-103.

Development principles for intelligent tutoring systems: Integrating cognitive theory into the development of computer-based instruction, Michael A. Orey and Wayne A. Nelson, 41:1, 59-72.

The effect of the spatial arrangement of simple diagrams on the interpretation of English and nonsense sentences, William Winn and Cliff Solomon, 41:1, 29-41.

The effects of cooperative learning and learner control on high- and average-ability students, Simon Hooper, Chanchai Temiyakarn, and Michael D. Williams, 41:2, 5-19.

Empirically-based guidelines for the design of interactive multimedia, Innwoo Park and Michael J. Hannafin, 41:3, 63-85.

Future issues of computer-mediated communication: The results of a Delphi study, Michael C. Holden, John F. Wedman, 41:4, 5-24.

How geographic maps increase recall of instructional text, Raymond W. Kulhavy, William A. Stock, and William A. Kealy, 41:4, 47-62.

Instructional design for situated learning, Michael F. Young, 41:1, 43-58.

Instructional simulation from a cognitive psychology viewpoint, Richard A. Thurman, 41:4, 75-89.

Integrating cognitive task analysis into instructional systems development, Joan M. Ryder and Richard E. Redding, 41:2, 75-96.

Learning from video: Factors influencing learners' preconceptions and invested mental effort, Katherine S. Cennamo, 41:3, 33-45.

Making broadcast television participative: Eliciting mathematical behavior through *Square One TV*, Shalom M. Fisch and Susan K. McCann, 41:3, 103-109.

Perspectives on the future of educational technology, Howard J. Sullivan, Ann R. Igoe, James D. Klein, Elizabeth E. Jones, and Wilhelmina C. Savenye, 41:2, 97-110.

The relationship between attributes of a children's radio program and its appeal to listeners, Linda M. McKenna, 41:1, 17-28.

Talking back to Big Bird: Preschool users and a simple speech recognition system, Erik F. Strommen and Francine S. Frome, 41:1, 5-16.

Use of dissection-related courseware by low-ability high school students: A qualitative inquiry, Mable B. Kinzie, M. Jean Foss, and Susan M. Powers, 41:3, 87-101.

The use of hyper-reference and conventional dictionaries, Ronald Aust, Mary Jane Kelley, Warren Roby, 41:4, 63-73.

What can we learn from chaos theory? An alternative approach to instructional systems design, Yeongmahn You, 41:3, 17-32.

ARTICLES (by author)

Armstrong, Penny. *See* McDaniel, Ernest.

Aust, Ronald, Mary Jane Kelley, Warren Roby. The use of hyper-reference and conventional dictionaries, 41:4, 63-73.

Borrás, Isabel. Developing and assessing *Practicing Spoken French*: A multimedia program for improving speaking skills, 41:4, 91-103.

Cennamo, Katherine S. Learning from video: Factors influencing learners' preconceptions and invested mental effort, 41:3, 33-45.
Duffy, Thomas M. *See* Welsh, Thomas M.
Fisch, Shalom M., and Susan K. McCann. Making broadcast television participative: Eliciting mathematical behavior through *Square One TV*, 41:3, 103-109.
Foss, M. Jean. *See* Kinzie, Mable B.
Frick, Theodore W. *See* Welch, Edwin R.
Frome, Francine S. *See* Strommen, Erik F.
Goodrum, David A. *See* Welsh, Thomas M.
Grabinger, R. Scott. Computer screen designs: Viewer judgments, 41:2, 35-73.
Hannafin, Michael J. *See* Park, Innwoo.
Holden, Michael C., and John F. Wedman. Future issues of computer-mediated communication: The results of a Delphi study, 41:4, 5-24.
Hooper, Simon, Chanchai Temiyakarn, and Michael D. Williams. The effects of cooperative learning and learner control on high- and average-ability students, 41:2, 5-19.
Igoe, Ann R. *See* Sullivan, Howard J.
Jones, Elizabeth E. *See* Sullivan, Howard J.
Kealy, William A. *See* Kulhavy, Raymond W.
Kelley, Mary Jane. *See* Aust, Ronald.
Kinzie, Mable B., M. Jean Foss, and Susan M. Powers. Use of dissection-related courseware by low-ability high school students: A qualitative inquiry, 41:3, 87-101.
Klein, James D. *See* Sullivan, Howard J.
Kulhavy, Raymond W., William A. Stock, and William A. Kealy. How geographic maps increase recall of instructional text, 41:4, 47-62.
Lebow, David. Constructivist values for instructional systems design: Five principles toward a new mindset, 41:3, 4-16.
McCann, Susan. *See* Fisch, Shalom M.
McDaniel, Ernest, William McInerney, and Penny Armstrong. Computers and school reform, 41:1, 73-78.
McInerney, William. *See* McDaniel, Ernest.
McKenna, Linda M. The relationship between attributes of a children's radio program and its appeal to listeners, 41:1, 17-28.
Murphy, Kelly P. *See* Welsh, Thomas M.
Nelson, Wayne A. *See* Orey, Michael A.
Neuman, Delia. Designing databases as tools for higher-level learning: Insights from instructional systems design, 41:4, 25-46.
Orey, Michael A., and Wayne A. Nelson. Development principles for intelligent tutoring systems: Integrating cognitive theory into the development of computer-based instruction, 41:1, 59-72.
Park, Innwoo, and Michael J. Hannafin. Empirically-based guidelines for the design of interactive multimedia, 41:3, 63-85.
Powers, Susan M. *See* Kinzie, Mable B.
Redding, Richard E. *See* Ryder, Joan M.
Roby, Warren. *See* Aust, Ronald.
Rowland, Gordon. Designing and instructional design, 41:1, 79-91.
Ryder, Joan M., and Richard E. Redding. Integrating cognitive task analysis into instructional systems development, 41:2, 75-96.
Savenye, Wilhelmina C. *See* Sullivan, Howard J.
Solomon, Cliff. *See* Winn, William.
Stock, William S. *See* Kulhavy, Raymond W.
Strommen, Erik F., and Francine S. Frome. Talking back to Big Bird: Preschool users and a simple speech recognition system, 41:1, 5-16.
Sullivan, Howard J., Ann R. Igoe, James D. Klein, Elizabeth E. Jones, and Wilhelmina C. Savenye. Perspectives on the future of educational technology, 41:2, 97-110.
Temiyakarn, Chanchai. *See* Hooper, Simon.
Thurman, Richard A. Instructional simulation from a cognitive psychology viewpoint, 41:4, 75-89.
Wedman, John F. *See* Holden, Michael C.
Welch, R. Edwin, and Theodore W. Frick. Computerized adaptive testing in instructional settings, 41:3, 47-62.
Welsh, Thomas M., Kelly P. Murphy, Thomas M. Duffy, and David A. Goodrum. Accessing elaborations on core information in a hypermedia environment, 41:2, 19-34.
Williams, Michael D. *See* Hooper, Simon.
Winn, William, and Cliff Solomon. The effect of the spatial arrangement of simple diagrams on the interpretation of English and nonsense sentences, 41:1, 29-41.
You, Yeongmahn. What can we learn from chaos theory? An alternative approach to instructional systems design, 41:3, 17-32.
Young, Michael F. Instructional design for situated learning, 41:1, 43-58.

BOOK REVIEWS (by title)

Instructional design strategies and tactics, Cynthia B. Leshin, Joellyn Pollock, and Charles M. Reigeluth. Reviewed by Robert C. Branch, 41:1, 97-99.
Instructional message design: Principles from the behavioral and cognitive sciences, edited by Malcolm Fleming and W. Howard Levie. Reviewed by Brockenbrough S. Allen, 41:2, 112-114.
Interactive instruction and feedback, John V. Dempsey and Gregory C. Sales, Eds. Reviewed by Andrew S. Gibbons, 41:4, 104-108.
Interactive multimedia instruction, R.A. Schwier and E.R. Misanchuk. Reviewed by Benhong Rosaline Tsai, 41:3, 111-114.
Multimedia for learning: Development, application, evaluation, Diane M. Gayeski, Ed. Reviewed by Anne Bednar, 41:4, 108-110.
Planning and conducting formative evaluations, Martin Tessmer. Reviewed by Roberts A. Braden, 41:3, 114-116.

Preparing instructional text: Document design using desktop publishing, E.R. Misanchuk. Reviewed by Steven D. Tripp, 41:2, 111-112.

A systems view of education: Concepts and principles for effective practice, Bela H. Banathy. Reviewed by Alison A. Carr, 41:1, 95-97.

Thirty-five lesson formats: A sourcebook of instructional alternatives, Paul Lyons. Reviewed by Scott Grabinger, 41:1, 93-94.

BOOK REVIEWS (by author or editor)

Banathy, Bela H. A systems view of education: Concepts and principles for effective practice. Reviewed by Alison A. Carr, 41:1, 95-97.

Dempsey, John V., and Gregory C. Sales, Eds. Interactive instruction and feedback. Reviewed by Andrew S. Gibbons, 41:4, 104-108.

Fleming, Malcolm, and W. Howard Levie, Eds. Instructional message design: Principles from the behavioral and cognitive sciences. Reviewed by Brockenbrough S. Allen, 41:2, 112-114.

Gayeski, Diane M., Ed. Multimedia for learning: Development, application, evaluation, Reviewed by Anne Bednar, 41:4, 108-110.

Leshin, Cynthia B., Joellyn Pollock, and Charles M. Reigeluth. Instructional design strategies and tactics. Reviewed by Robert C. Branch, 41:1, 97-99.

Levie, W. Howard. *See* Fleming, Malcom.

Lyons, Paul. Thirty-five lesson formats: A sourcebook of instructional alternatives. Reviewed by Scott Grabinger, 41:1, 93-94.

Misanchuk, E.R. Preparing instructional text: Document design using desktop publishing. Reviewed by Steven D. Tripp, 41:2, 111-112. *See also* Schwier, R.A.

Pollock, Joellyn. *See* Leshin, Cynthia B.

Sales, Gregory. *See* Dempsey, John V.

Schwier, R.A., and E.R. Misanchuk. Interactive multimedia instruction. Reviewed by Benhong Rosaline Tsai, 41:3, 111-114.

Tessmer, Martin. Planning and conducting formative evaluations. Reviewed by Roberts A. Braden, 41:3, 114-116.

BOOK REVIEWERS

Allen, Brockenbrough S., 41:2, 112-114.
Bednar, Anne, 41:4, 108-110.
Braden, Roberts A., 41:3, 114-116.
Branch, Robert C., 41:1, 97-99.
Carr, Alison A., 41:1, 95-97.
Gibbons, Andrew S., 41:4, 104-108.
Grabinger, Scott, 41:1, 93-94.
Tripp, Steven D., 41:2, 111-112.
Tsai, Benhong Rosaline, 41:3, 111-114.

INTERNATIONAL REVIEWS

Applying global simulation, by R. Godard. Reviewed by Allen Rowe, 41:2, 118-120.

Enseigner l'intonation: L'Ordinateur à la recousse [Teaching intonation: The computer to the rescue], by Hélène Canto-Knoerr. Reviewed by Richard W. Lemp, 41:2, 122-124.

Futuroscope: Educational institution of the future, by Joan D. Patterson, 41:2, 115-118.

Global simulations: What is a global simulation?, by J-M. Caré and others. Reviewed by Allen Rowe, 41:2, 118-120.

The Hispanic world in the information age, by Mark D. Larsen, 41:3, 117-122.

Japan: Meeting the challenge of computers in education, by Rowena S. Santiago, 41:4, 111-114.

Media utilization by teachers in the United States, Taiwan, Thailand, and Nigeria, Mei-Yan Lu, John E. Morlan, Chawalert Lerchalolarn, Boaco Lee, and Hyacinth Dike, 41:1, 107-111.

Plaidoyer pour la vidéo-correspondance [A plea for video correspondence], by C. Camilleri and R. Morelli. Reviewed by Richard W. Lemp, 41:2, 120-122.

Research in instructional technology at The National Institute of Education, Singapore, by Barry Sponder and Robert M. Hilgenfeld.

The use of verbo-visual information in teaching of geography: Views from teachers, Rune Pettersson, Nikos Metallinos, Robert Muffoletto, John Shaw, and Yasuo Takakuwa, 41:1, 101-106.

RESEARCH ABSTRACTS (by title)

Advancements in instructional design theory: Contextual module analysis and integrated instructional strategies, Robert D. Tennyson and others, 41:1, 118.

Affective strategies for effective learning, David M. Crossman and Sandra G. Behrens, 41:1, 115.

The American symposium on research in distance education, Michael G. Moore and others, 41:4, 121-122.

An analysis of learning to plan as a search problem, Jonathan Gratch and Gerlad DeJong, 41:4, 120-121.

Assessing the reliability of computer adaptive testing branching algorithms using HyperCAT, Mark D. Shermis and others, 41:2, 127.

Building microcomputer-based instructional simulations: Psychoiogical implications and practical guidelines, Richard A. Thurman and Joseph S. Mattoon, 41:2, 125-126.

The case for breadth in computing and information technology education and training for 13-19 year olds, Alan Brown, 41:1, 116-117.

Case-study research in distance education, Alistair Morgan, 41:1, 114.

Choosing a display format for instructional multimedia: Two screens vs. one, C. David Taylor, 41:3, 126.

Cognitive transfer of computer programming skills and analogous problem solving, Younghee Jang, 41:3, 125.

Computer-mediated communication for distance education: An international review of design, teaching, and institutional issues, Rosalie Wells, 41:4, 122.

Computer mediated communication: How does it change the social-psychological aspects of teaching and instruction?, Laurie F. Ruberg and Thomas M. Sherman, 41:4, 122.

Considerations in evaluating metacognition in interactive hypermedia/multimedia instruction, Ward Mitchell Cates, 41:3, 124.

The development and education of a computer-based system for managing the design and pilot-testing of interactive videodisc programs, Scott Alan Sayre, 41:1, 118-119.

Dissemination, utilization, and assessment project, Hugh F. Cline and others, 41:1, 116.

Effects of word processing on student writing in a high computer access environment, Ronald D. Owston and others, 41:1, 115.

The generative effects of graphic organizers with computer-based interactive video by global and analytic thinkers, Richard F. Kenny and others, 41:1, 114-115.

The generative effects of instructional organizers with computer-based interactive video, Richard F. Kenny, 41:3, 125-126.

Information Technology for Training and Education (ITTE) conference proceedings, 41:1, 113-114.

Instructional design and human practice: What can we learn from Habermas' theory of technical and practical human interests?, Michael J. Streibel, 41:1, 118.

Instructional transaction theory applied to computer simulations, Willem Jaap Zwart, 41:4, 120.

Intelligent frameworks for instructional design, J. Michael Spector and others, 41:2, 128.

Learning environments: The technology-cognition connection, Eldon J. Ullmer, 41:2, 128.

Mental models and the analysis of content, Robert D. Tennyson, 41:1, 117.

Motivational strategies in computer-based instruction: Some lessons from theories and models of motivation, Anju Relan, 41:2, 128.

Multimedia football viewing: Embedded rules, practice, and video context in IVD procedural learning, Eunsoon Kim and Michael F. Young, 141:2, 126-127.

Multimedia in industry and education: A decision model for design, Lynne Reynolds and Diane Ehrlich, 41:3, 124-125.

Preferred length of video segments in interactive video programs, P.W. Verhagen, 41:2, 126.

A rule-based and hypertextual electronic mail system for electronic learning environments: Applying the distributed network learning framework, Michael J. Jacobson and James A. Levin, 41:3, 123-124.

The simultaneous production model: A model for the construction, testing, implementation and revision of educational computer simulation environments, Pieter G. van Schaick, 41:3, 126.

A study of the relationship between virtual reality (perceived realism) and the ability of children to create, manipulate and utilize mental images for spatially related problem solving, Mark L. Merickel, 41:4, 121.

Talking shop via E-mail: A thematic and linguistic analysis of electronic mail communication, Seppo Tella, 41:4, 123.

A taxonomy of interaction for instructional multimedia, Richard A. Schwier, 41:4, 119-120.

Teaching and learning with technology. Evaluation report, Oakland County Schools, 41:1, 117.

Technological indeterminacy: The role of classroom writing practices in shaping computer use, Cynthia Greenleaf, 41:1, 116.

The use of contextual problems and multi-representational software to teach the concept of functions, Jere Confrey and others, 41:2, 127-128.

Using interactive videodisc technology to enhance assessor training, Larry Jacobson and Laurin P. Hafner, 41:1, 119.

A videodisc program for the acquisition of diagnostic skills in health education, J. Gulmans and R. van den Berg, 41:4, 122-123.

RESEARCH ABSTRACTS (by author)

Behrens, Sandra G. *See* Crossman, David M.

Brown, Alan. The case for breadth in computing and information technology education and training for 13-19 year olds, 41:1, 116-117.

Cates, Ward Mitchell. Considerations in evaluating metacognition in interactive hypermedia/multimedia instruction, 41:3, 124.

Cline, Hugh F., and others. Dissemination, utilization, and assessment project, 41:1, 116.

Confrey, Jere, and others. The use of contextual problems and multi-representational software to teach the concept of functions, 41:2, 127-128.

Crossman, David M., and Sandra G. Behrens. Affective strategies for effective learning, 41:1, 115.

DeJong, Gerlad. *See* Gratch, Jonathan.

Ehrlich, Diane. *See* Reynolds, Lynne.

Gratch, Jonathan, and Gerlad DeJong. An analysis of learning to plan as a search problem, 41:4, 120-121.

Greenleaf, Cynthia. Technological indeterminacy: The role of classroom writing practices in shaping computer use, 57, 41:1, 116.

Gulmans, J., and R. van den Berg. A videodisc program for the acquisition of diagnostic skills in health education, 41:4, 122-123.

Hafner, Laurin P. *See* Jacobson, Larry.

Information Technology for Training and Education (ITTE). Conference proceedings, 41:1, 113-114.

Jacobson, Larry, and Laurin P. Hafner. Using interactive videodisc technology to enhance assessor training, 41:1, 119.

Jacobson, Michael J., and James A. Levin. A rule-based and hypertextual electronic mail system for electronic learning environments: Applying the distributed network learning framework, 41:3, 123-124.

Jang, Younghee. Cognitive transfer of computer programming skills and analogous problem solving, 41:3, 125.

Kenny, Richard F. The generative effects of instructional organizers with computer-based interactive video, 41:3, 125-126. *Also*: The generative effects of graphic organizers with computer-based interactive video by global and analytic thinkers, 41:1, 114-115.

Kim, Eunsoon, and Michael F. Young. Multimedia football viewing: Embedded rules, practice, and video context in IVD procedural learning, 141:2, 126-127.

Levin, James A. *See* Jacobson, Michael J.

Mattoon, Joseph S. *See* Thurman, Richard A.

Merickel, Mark L. A study of the relationship between virtual reality (perceived realism) and the ability of children to create, manipulate and utilize mental images for spatially related problem solving, 41:4, 121.

Moore, Michael G., and others. The American symposium on research in distance education, 41:4, 121-122.

Morgan, Alistair. Case-study research in distance education, 41:1, 114.

Oakland County Schools. Teaching and learning with technology. Evaluation report, 41:1, 117.

Owston, Ronald D., and others. Effects of word processing on student writing in a high computer access environment, 41:1, 115.

Relan, Anju. Motivational strategies in computer-based instruction: Some lessons from theories and models of motivation, 41:2, 128.

Reynolds, Lynne, and Diane Ehrlich. Multimedia in industry and education: A decision model for design, 41:3, 124-125.

Ruberg, Laurie F., and Thomas M. Sherman. Computer mediated communication: How does it change the social-psychological aspects of teaching and instruction?, 41:4, 122.

Sayre, Scott Alan, The development and education of a computer-based system for managing the design and pilot-testing of interactive videodisc programs. Training and Development Research Center, 41:1, 118-119.

Schwier, Richard A. A taxonomy of interaction for instructional multimedia, 41:4, 119-120.

Sherman, Thomas M. *See* Ruberg, Laurie F.

Shermis, Mark D., and others. Assessing the reliability of computer adaptive testing branching algorithms using HyperCAT, 41:2, 127.

Spector, J. Michael, and others. Intelligent frameworks for instructional design, 41:2, 128.

Streibel, Michael J. Instructional design and human practice: What can we learn from Habermas' theory of technical and practical human interests?, 41:1, 118.

Taylor, C. David. Choosing a display format for instructional multimedia: Two screens vs. one, 41:3, 126.

Tella, Seppo. Talking shop via E-mail: A thematic and linguistic analysis of electronic mail communication, 41:4, 123.

Tennyson, Robert D. Mental models and the analysis of content, 41:1, 117. *Also*: Advancements in instructional design theory: Contextual module analysis and integrated instructional strategies, 41:1, 118.

Thurman, Richard A., and Joseph S. Mattoon. Building microcomputer-based instructional simulations: Psychological implications and practical guidelines, 41:2, 125-126.

Ullmer, Eldon J. Learning environments: The technology-cognition connection, 41:2, 128.

van den Berg, R. *See* Gulmans, J.

van Schaick, Pieter G. The simultaneous production model: A model for the construction, testing, implementation and revision of educational computer simulation environments, 41:3, 126.

Verhagen, P.W. Preferred length of video segments in interactive video programs, 41:2, 126.

Wells, Rosalie. Computer-mediated communication for distance education: An international review of design, teaching, and institutional issues, 41:4, 122.

Young, Michael F. *See* Kim, Eunsoon.

Zwart, Willem Jaap. Instructional transaction theory applied to computer simulations, 41:4, 120.